

**METHODS AND DEVICES FOR CONTROLLING RF,
MULTI-CARRIER AMPLIFIER SIGNAL POWER**

ABSTRACT OF THE DISCLOSURE

The input (and output) power of a multi-carrier amplifier can be controlled to allow the amplifier to operate at high RF power levels and still remain within a power rating profile. The amplifier (or amplifiers) power is controlled using an aggregate scaling factor. The aggregate scaling factor is generated from a plurality of amplifier scaling factors. Each amplifier scaling factor is generated based on a comparison of a time-averaged total power and a corresponding threshold.